

WHAT IS CLAIMED IS:

1. A data backup device connected to a server via a network,  
comprising:

5 a usable band detector that detects a width of a usable band  
from an available band of the network, the usable band currently not  
being used; and  
a backup controller that  
determines whether the width of the usable band is wider  
than a predetermined width, and  
10 transmits data of a client to the server through the  
network to store the data as backup data in the server when the usable  
band is determined to be wider than the predetermined width.

2. The data backup device according to claim 1, further  
15 comprising:

a data identifying unit that identifies a type of data selected from  
a plurality of types for each of the data stored in the client, wherein the  
backup controller specifies the type of each of the data identified when  
transmitting each of the data to the server; and  
20 a data restoring unit that  
receives a request from a user of the client,  
determines a type of backup data to be obtained from  
the backup data stored in the server according to the type, based on  
the request, the type of backup data being one of the types,  
25 requests the server to transmit the backup data of the

type determined,

receives the backup data of the type transmitted from the server, and

restores to the client the backup data of the type  
5 received.

3. The data backup device according to claim 2, wherein the types are user data, operating system setting data, application information, and other data.

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4. The data backup device according to claim 1, further comprising a data restoring unit that

receives an initial state restore request from a user to restore data of an initial state of the client,

15 requests the server to transmit a difference between the backup data and an initial state master data both stored in the server, and receives the difference from the server to restore the difference to the client.

20 5. The data backup device according to claim 1, further comprising:

a distribution specifying unit that receives distribution information from a user and transmits the distribution information to the server, wherein the distribution information specifies

25 distributed data to be distributed from the backup data

stored in the server to another client via the network,  
a time at which the distributed data is to be distributed,  
and  
a destination to which the distributed data is to be  
5 distributed.

6. A backup data management device connected to a client via a  
network, comprising:

a backup data storage unit that stores data received from the  
10 client through the network as backup data; and  
a data distributing unit that distributes data specified by the  
client from the backup data to a destination and at a time both specified  
by the client.

15 7. The backup data management device according to claim 6,  
wherein the backup data storage unit classifies each of the data  
according to a type specified by the client.

8. A data backup method comprising:

20 detecting a width of usable band from an available band of a  
network, the usable band currently not being used;

determining whether the width of usable band is wider than a  
predetermined width; and

transmitting data of a client to a server through the network to  
25 store the data as backup data in the server when the width of usable

band is determined to be wider than the predetermined width.

9. The data backup method according to claim 8, further comprising:

identifying a type of data selected from a plurality of types for  
5 each of the data stored in the client;

specifying the type of each of the data identified when  
transmitting each of the data to the server;

receiving a request from a user of the client;

determining a type of backup data to be obtained from the  
10 backup data stored in the server according to the type, based on the  
request, the type of backup data being one of the types;

requesting the server to transmit the backup data of the type  
determined;

receiving the backup data of the type transmitted from the  
15 server; and

restoring to the client the backup data of the type received.

10. A computer readable recording medium that stores a computer  
program including computer executable instructions which when

20 executed by a computer, cause the computer to perform:

detecting a width of usable band from an available band of a  
network, the usable band currently not being used;

determining whether the width of usable band is wider than a  
predetermined width; and

25 transmitting data of a client to a server through the network to

store the data as backup data in the server when the width of usable band is determined to be wider than the predetermined width.

11. A data backup system comprising:

5 a server; and

a data backup device connected to the server via a network and including

a usable band detector that detects a width of usable band from an available band of the network, the usable band currently  
10 not being used,

a backup controller that determines whether the width of usable band is wider than a predetermined width, and

a transmitter that transmits data through the network to the server to store the data in the server as backup data when the  
15 backup controller determines the width of usable band to be wider than the predetermined width.

12. The data backup system according to claim 11, further comprising a memory unit that stores the data, wherein

20 the data backup device further comprises a data identifying unit that identifies a type of data selected from a plurality of types for each of the data stored in the memory unit, and

the transmitter transmits each of the data to the server according to the type identified by the data identifying unit.

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13. The data backup system according to claim 12, wherein the data backup device further comprises a data restoring unit that

receives a request from a user,

determines a type of backup data to be obtained from the

5 backup data stored, based on the request, the type being one of the types,

requests the server to transmit the backup data of the type determined,

receives the backup data of the type transmitted, and

10 restores to the memory unit the backup data of the type received.

14. The data backup system according to claim 12, wherein the types are user data, operating system setting data, application

15 information, and other data.

15. The data backup system according to claim 11, further comprising a client connected to the network, the client including the backup device.

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16. The data backup system according to claim 12, wherein the server comprises a backup data storage unit that stores, as the backup data, each of the data transmitted from the backup controller according to the type.

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17. The data backup system according to claim 15, wherein  
the server comprises an initial state storage unit that stores  
initial state master data of the client, and  
the data backup device further comprises a data restoring unit  
5 that  
receives an initial state restore request from a user to  
restore data of an initial state of the client,  
requests the server to transmit a difference between the  
backup data and the initial state master data, and  
10 receives the difference from the server to restore the  
difference to the client.

18. The data backup system according to claim 15, wherein  
the client further comprises a distribution specifying unit that  
15 receives distribution information from a user and transmits the  
distribution information to the server, the distribution information that  
specifies distributed data to be distributed from the backup data stored  
in the server to another client via the network, a time at which the  
distributed data is to be distributed, and a destination to which the  
20 distributed data is to be distributed, and  
the server further comprises a data distributing unit that  
distributes the distributed data from the backup data to the destination  
and at the time based on the distribution information.